

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331406-935

Luminaire Tested: **SA2XXDIP-C865D925U935-4F0-1E-UDD-D1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331406-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C865D925U935-4F0-1E-UDD-D1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5858.6 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')
CIE Type: General Diffuse

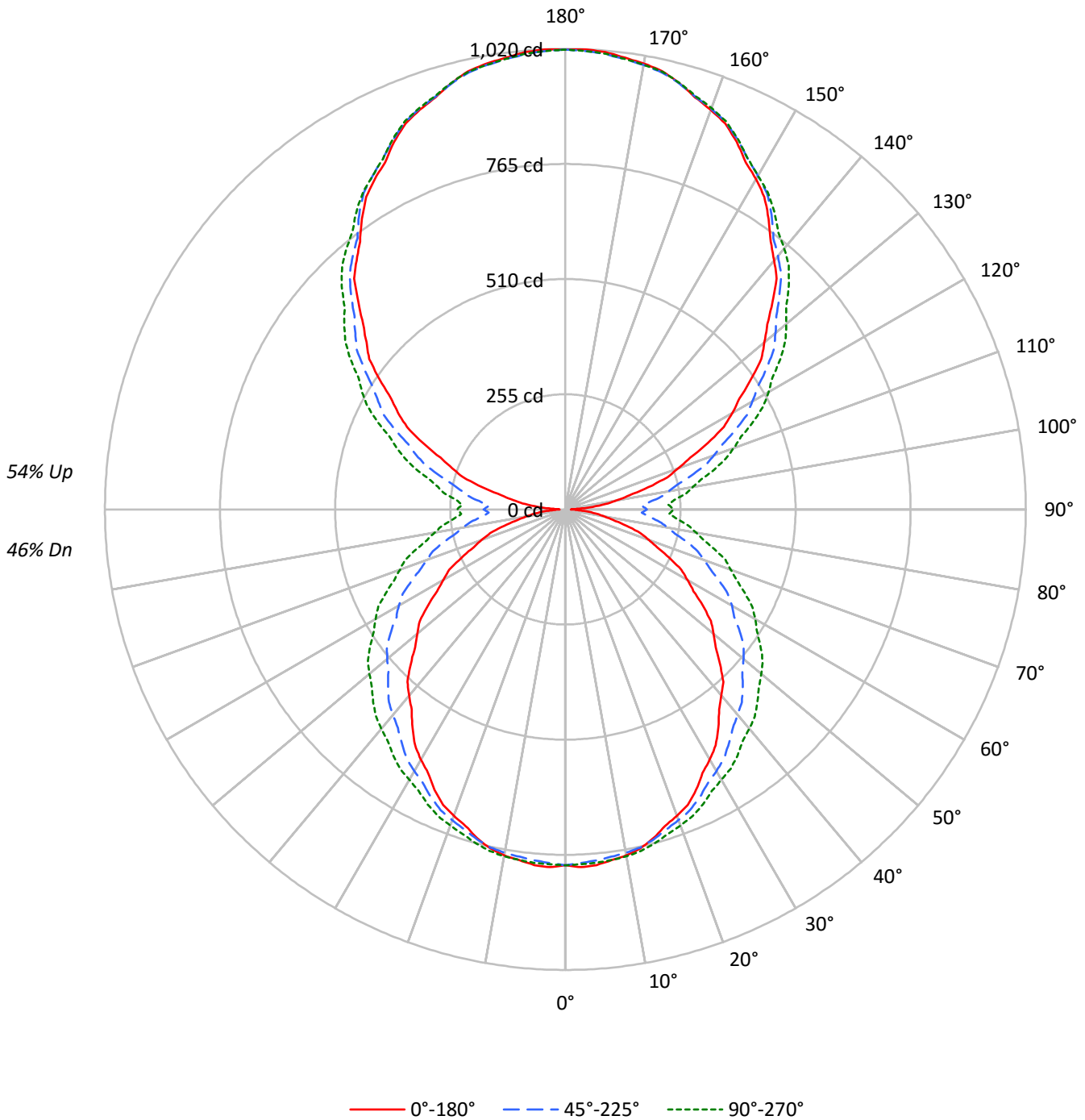
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331406-935

CATALOG NUMBER: SA2XXDIP-C865D925U935-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331406-935

CATALOG NUMBER: SA2XXDIP-C865D925U935-4F0-1E-UDD-D1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 81 | 81 | 81 | 66 | 66 | 66 | 52 | 52 | 52 | 46 | 46 | 46 |
| 1 | 95 | 91 | 86 | 82 | 87 | 83 | 79 | 76 | 69 | 66 | 64 | 56 | 54 | 52 | 44 | 43 | 41 | 36 | 36 | 36 |
| 2 | 86 | 78 | 72 | 66 | 79 | 72 | 66 | 61 | 60 | 55 | 51 | 48 | 45 | 42 | 38 | 36 | 34 | 29 | 29 | 29 |
| 3 | 78 | 68 | 61 | 54 | 71 | 63 | 56 | 50 | 52 | 47 | 43 | 42 | 38 | 35 | 33 | 30 | 28 | 24 | 24 | 24 |
| 4 | 71 | 60 | 52 | 45 | 65 | 55 | 48 | 42 | 46 | 40 | 36 | 37 | 33 | 30 | 29 | 26 | 24 | 20 | 20 | 20 |
| 5 | 65 | 53 | 45 | 39 | 60 | 49 | 42 | 36 | 41 | 35 | 31 | 33 | 29 | 26 | 26 | 23 | 21 | 17 | 17 | 17 |
| 6 | 60 | 48 | 39 | 33 | 55 | 44 | 36 | 31 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 20 | 18 | 15 | 15 | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 27 | 23 | 27 | 23 | 19 | 22 | 18 | 16 | 13 | 13 | 13 |
| 8 | 51 | 39 | 31 | 25 | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 20 | 17 | 20 | 16 | 14 | 12 | 12 | 12 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 28 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 13 | 10 | 10 | 10 |
| 10 | 45 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 17 | 14 | 11 | 9 | 9 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 12728 | 12728 | 12728 |
| 5° | 12790 | 12252 | 12205 |
| 10° | 12710 | 11890 | 11756 |
| 15° | 12535 | 11506 | 11284 |
| 20° | 12312 | 11097 | 10828 |
| 25° | 12095 | 10701 | 10415 |
| 30° | 11786 | 10293 | 10000 |
| 35° | 11474 | 9900 | 9708 |
| 40° | 11147 | 9566 | 9415 |
| 45° | 10835 | 9267 | 9165 |
| 50° | 10500 | 8995 | 8920 |
| 55° | 10150 | 8703 | 8668 |
| 60° | 9721 | 8403 | 8403 |
| 65° | 9278 | 8047 | 8088 |
| 70° | 8774 | 7666 | 7748 |
| 75° | 8132 | 7293 | 7435 |
| 80° | 7126 | 6912 | 7117 |
| 85° | 6164 | 6582 | 6872 |



TEST NUMBER: P331406-935

CATALOG NUMBER: SA2XXDIP-C865D925U935-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.7 | 1.3 |
| 10°-20° | 214.2 | 3.7 |
| 20°-30° | 324.6 | 5.5 |
| 30°-40° | 395.4 | 6.7 |
| 40°-50° | 425.3 | 7.3 |
| 50°-60° | 413.1 | 7.1 |
| 60°-70° | 360.7 | 6.2 |
| 70°-80° | 277.7 | 4.7 |
| 80°-90° | 190.4 | 3.3 |
| 90°-100° | 192.9 | 3.3 |
| 100°-110° | 294.1 | 5.0 |
| 110°-120° | 404.4 | 6.9 |
| 120°-130° | 485.0 | 8.3 |
| 130°-140° | 520.0 | 8.9 |
| 140°-150° | 498.2 | 8.5 |
| 150°-160° | 415.8 | 7.1 |
| 160°-170° | 275.8 | 4.7 |
| 170°-180° | 96.4 | 1.6 |
| 0°-30° | 613.5 | 10.5 |
| 0°-40° | 1008.9 | 17.2 |
| 0°-60° | 1847.2 | 31.5 |
| 0°-90° | 2676.0 | 45.7 |
| 90°-120° | 891.4 | 15.2 |
| 90°-150° | 2394.7 | 40.9 |
| 90°-180° | 3183.0 | 54.3 |
| 0°-180° | 5858.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 788 | 788 | 788 | 788 | 788 | |
| 5° | 791 | 787 | 780 | 787 | 786 | 75 |
| 15° | 754 | 756 | 756 | 766 | 766 | 212 |
| 25° | 686 | 694 | 704 | 717 | 721 | 315 |
| 35° | 591 | 610 | 632 | 656 | 665 | 369 |
| 45° | 484 | 516 | 555 | 589 | 602 | 374 |
| 55° | 371 | 413 | 472 | 512 | 528 | 332 |
| 65° | 254 | 310 | 377 | 422 | 439 | 252 |
| 75° | 140 | 205 | 278 | 325 | 342 | 149 |
| 85° | 41 | 112 | 185 | 231 | 249 | 44 |
| 90° | 12 | 90 | 181 | 223 | 239 | 10 |
| 95° | 54 | 117 | 186 | 228 | 242 | 58 |
| 105° | 190 | 228 | 287 | 327 | 342 | 202 |
| 115° | 348 | 368 | 416 | 448 | 459 | 344 |
| 125° | 502 | 512 | 544 | 571 | 582 | 449 |
| 135° | 648 | 658 | 671 | 693 | 700 | 501 |
| 145° | 785 | 791 | 796 | 804 | 806 | 491 |
| 155° | 898 | 900 | 903 | 907 | 905 | 413 |
| 165° | 977 | 976 | 976 | 982 | 978 | 275 |
| 175° | 1016 | 1014 | 1012 | 1018 | 1013 | 97 |
| 180° | 1018 | 1018 | 1018 | 1018 | 1018 | |



TEST NUMBER: P331406-935

CATALOG NUMBER: SA2XXDIP-C865D925U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 |
| 2.5° | 792.9 | 792.3 | 791.7 | 791.1 | 790.5 | 789.5 | 788.0 | 786.6 | 785.1 | 783.8 | 784.8 |
| 5° | 790.6 | 789.9 | 789.1 | 788.3 | 787.6 | 786.4 | 784.9 | 783.3 | 781.9 | 780.3 | 781.9 |
| 7.5° | 783.5 | 783.0 | 782.5 | 782.0 | 781.5 | 780.7 | 779.5 | 778.3 | 777.1 | 776.0 | 777.8 |
| 10° | 778.1 | 777.6 | 777.1 | 776.5 | 776.0 | 775.4 | 774.6 | 773.9 | 773.1 | 772.3 | 774.4 |
| 12.5° | 768.9 | 769.0 | 769.1 | 769.2 | 769.3 | 769.0 | 768.5 | 767.9 | 767.4 | 766.8 | 768.9 |
| 15° | 754.1 | 754.6 | 755.1 | 755.6 | 756.0 | 756.3 | 756.3 | 756.3 | 756.3 | 756.3 | 758.6 |
| 17.5° | 734.9 | 735.9 | 737.0 | 738.0 | 739.1 | 740.0 | 740.9 | 741.7 | 742.5 | 743.3 | 745.7 |
| 20° | 722.0 | 723.3 | 724.6 | 725.9 | 727.1 | 728.3 | 729.3 | 730.3 | 731.3 | 732.4 | 735.1 |
| 22.5° | 708.3 | 709.8 | 711.3 | 712.7 | 714.2 | 715.7 | 717.1 | 718.5 | 720.0 | 721.3 | 724.2 |
| 25° | 685.5 | 687.3 | 689.1 | 690.9 | 692.6 | 694.7 | 696.9 | 699.2 | 701.5 | 703.8 | 706.8 |
| 27.5° | 658.1 | 661.0 | 663.8 | 666.8 | 669.7 | 672.4 | 675.1 | 677.9 | 680.5 | 683.2 | 687.1 |
| 30° | 639.8 | 643.1 | 646.4 | 649.7 | 653.0 | 656.3 | 659.6 | 662.9 | 666.2 | 669.5 | 673.6 |
| 32.5° | 619.7 | 623.4 | 627.1 | 630.9 | 634.6 | 638.3 | 642.2 | 646.2 | 650.1 | 653.9 | 658.7 |
| 35° | 590.6 | 595.0 | 599.3 | 603.6 | 608.0 | 612.5 | 617.3 | 622.2 | 627.0 | 631.8 | 637.4 |
| 37.5° | 559.1 | 564.1 | 569.1 | 574.0 | 579.0 | 584.6 | 590.9 | 597.2 | 603.4 | 609.7 | 615.9 |
| 40° | 538.1 | 543.7 | 549.3 | 554.9 | 560.4 | 566.7 | 573.5 | 580.4 | 587.3 | 594.1 | 600.7 |
| 42.5° | 518.0 | 523.6 | 529.2 | 534.8 | 540.4 | 547.1 | 554.9 | 562.8 | 570.7 | 578.6 | 585.7 |
| 45° | 484.4 | 491.3 | 498.1 | 505.0 | 511.9 | 519.7 | 528.6 | 537.5 | 546.4 | 555.3 | 563.1 |
| 47.5° | 451.3 | 458.7 | 466.2 | 473.7 | 481.1 | 490.1 | 500.5 | 510.9 | 521.3 | 531.8 | 539.9 |
| 50° | 428.4 | 436.3 | 444.2 | 452.0 | 459.9 | 469.6 | 481.0 | 492.4 | 503.9 | 515.3 | 523.9 |
| 52.5° | 406.5 | 414.7 | 423.1 | 431.4 | 439.6 | 449.8 | 461.8 | 473.8 | 485.9 | 497.9 | 506.7 |
| 55° | 371.3 | 380.5 | 389.6 | 398.7 | 407.9 | 419.0 | 432.2 | 445.5 | 458.7 | 471.8 | 481.0 |
| 57.5° | 336.6 | 346.9 | 357.2 | 367.5 | 377.8 | 389.7 | 403.1 | 416.6 | 430.1 | 443.5 | 453.4 |
| 60° | 311.9 | 322.8 | 333.7 | 344.7 | 355.6 | 368.2 | 382.7 | 397.2 | 411.6 | 426.2 | 435.8 |
| 62.5° | 290.0 | 301.3 | 312.6 | 323.9 | 335.3 | 348.2 | 362.7 | 377.1 | 391.6 | 406.0 | 416.3 |
| 65° | 253.7 | 266.0 | 278.5 | 290.9 | 303.4 | 317.1 | 332.1 | 347.1 | 362.1 | 377.0 | 387.4 |
| 67.5° | 220.2 | 233.2 | 246.2 | 259.2 | 272.2 | 286.5 | 301.8 | 317.1 | 332.4 | 347.8 | 358.3 |
| 70° | 196.5 | 209.7 | 222.9 | 236.1 | 249.3 | 263.8 | 279.6 | 295.2 | 311.0 | 326.7 | 337.7 |
| 72.5° | 174.6 | 188.2 | 201.8 | 215.4 | 229.0 | 243.7 | 259.8 | 275.7 | 291.6 | 307.5 | 318.3 |
| 75° | 140.5 | 154.7 | 168.9 | 183.2 | 197.4 | 212.7 | 228.9 | 245.1 | 261.4 | 277.6 | 288.5 |
| 77.5° | 107.6 | 122.5 | 137.4 | 152.2 | 167.1 | 182.8 | 199.3 | 215.9 | 232.3 | 248.8 | 259.7 |
| 80° | 85.7 | 101.2 | 116.7 | 132.2 | 147.7 | 163.6 | 180.1 | 196.7 | 213.1 | 229.6 | 240.3 |
| 82.5° | 67.4 | 82.7 | 98.0 | 113.2 | 128.5 | 144.6 | 161.3 | 178.0 | 194.7 | 211.4 | 222.1 |
| 85° | 41.2 | 56.9 | 72.6 | 88.3 | 104.1 | 120.1 | 136.3 | 152.6 | 168.8 | 185.1 | 195.8 |
| 87.5° | 22.6 | 38.1 | 53.7 | 69.3 | 84.9 | 101.3 | 118.4 | 135.4 | 152.6 | 169.6 | 179.9 |
| 90° | 12.3 | 29.3 | 46.3 | 63.4 | 80.3 | 99.1 | 119.5 | 140.0 | 160.4 | 180.9 | 190.6 |
| 92.5° | 25.8 | 41.2 | 56.6 | 72.0 | 87.4 | 103.4 | 120.0 | 136.6 | 153.3 | 169.9 | 179.9 |
| 95° | 53.8 | 67.7 | 81.5 | 95.3 | 109.2 | 123.9 | 139.6 | 155.2 | 170.7 | 186.4 | 196.0 |
| 97.5° | 89.6 | 101.9 | 114.2 | 126.5 | 138.8 | 152.7 | 168.0 | 183.3 | 198.6 | 214.0 | 223.4 |
| 100° | 117.1 | 128.0 | 139.0 | 149.9 | 160.8 | 173.7 | 188.5 | 203.3 | 218.0 | 232.8 | 242.2 |
| 102.5° | 145.1 | 154.9 | 164.7 | 174.5 | 184.3 | 196.5 | 211.0 | 225.5 | 240.0 | 254.6 | 264.0 |
| 105° | 190.5 | 198.4 | 206.3 | 214.2 | 222.2 | 233.0 | 246.5 | 260.1 | 273.7 | 287.3 | 296.5 |
| 107.5° | 237.3 | 244.0 | 250.8 | 257.5 | 264.2 | 273.9 | 286.5 | 299.2 | 311.9 | 324.5 | 333.2 |
| 110° | 266.7 | 272.9 | 279.1 | 285.3 | 291.5 | 300.8 | 313.3 | 325.7 | 338.2 | 350.6 | 358.8 |



TEST NUMBER: P331406-935

CATALOG NUMBER: SA2XXDIP-C865D925U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 299.6 | 305.1 | 310.5 | 315.9 | 321.2 | 329.8 | 341.5 | 353.2 | 364.9 | 376.5 | 384.2 |
| 115° | 348.3 | 352.2 | 356.1 | 360.1 | 364.0 | 371.5 | 382.5 | 393.6 | 404.7 | 415.7 | 423.1 |
| 117.5° | 395.5 | 398.9 | 402.3 | 405.6 | 409.0 | 415.4 | 424.9 | 434.4 | 443.9 | 453.4 | 460.5 |
| 120° | 427.9 | 430.4 | 433.0 | 435.5 | 438.1 | 443.7 | 452.3 | 460.9 | 469.5 | 478.2 | 485.3 |
| 122.5° | 457.4 | 459.7 | 461.9 | 464.2 | 466.4 | 471.7 | 480.3 | 488.7 | 497.2 | 505.7 | 512.1 |
| 125° | 502.4 | 504.1 | 505.8 | 507.5 | 509.2 | 513.8 | 521.4 | 529.0 | 536.5 | 544.1 | 550.4 |
| 127.5° | 547.3 | 549.1 | 551.0 | 553.0 | 554.9 | 558.8 | 564.6 | 570.5 | 576.4 | 582.2 | 587.9 |
| 130° | 575.4 | 577.6 | 579.9 | 582.1 | 584.3 | 587.9 | 592.9 | 597.8 | 602.8 | 607.7 | 613.4 |
| 132.5° | 607.0 | 608.8 | 610.5 | 612.3 | 614.1 | 617.1 | 621.3 | 625.4 | 629.6 | 633.9 | 638.9 |
| 135° | 648.2 | 650.2 | 652.4 | 654.4 | 656.5 | 659.1 | 662.0 | 664.9 | 667.8 | 670.7 | 675.9 |
| 137.5° | 692.7 | 694.3 | 696.0 | 697.7 | 699.3 | 700.9 | 702.6 | 704.2 | 705.8 | 707.4 | 712.0 |
| 140° | 719.5 | 720.9 | 722.4 | 723.8 | 725.3 | 726.8 | 728.2 | 729.7 | 731.2 | 732.6 | 736.7 |
| 142.5° | 746.9 | 748.5 | 749.9 | 751.4 | 752.9 | 753.9 | 754.7 | 755.4 | 756.2 | 756.9 | 760.3 |
| 145° | 785.3 | 786.7 | 788.0 | 789.4 | 790.7 | 791.9 | 793.1 | 794.2 | 795.4 | 796.5 | 798.2 |
| 147.5° | 820.5 | 822.2 | 823.8 | 825.4 | 827.0 | 828.2 | 829.0 | 829.7 | 830.4 | 831.2 | 831.8 |
| 150° | 844.6 | 845.8 | 846.9 | 848.1 | 849.2 | 850.2 | 850.9 | 851.7 | 852.5 | 853.3 | 853.8 |
| 152.5° | 865.9 | 867.1 | 868.2 | 869.4 | 870.6 | 871.6 | 872.5 | 873.4 | 874.3 | 875.2 | 876.0 |
| 155° | 897.9 | 898.5 | 899.1 | 899.7 | 900.2 | 900.8 | 901.4 | 901.9 | 902.5 | 903.0 | 904.0 |
| 157.5° | 925.2 | 925.6 | 926.0 | 926.3 | 926.8 | 927.1 | 927.5 | 927.8 | 928.2 | 928.5 | 929.8 |
| 160° | 941.8 | 942.1 | 942.5 | 942.9 | 943.2 | 943.6 | 943.7 | 943.9 | 944.1 | 944.3 | 945.5 |
| 162.5° | 956.8 | 956.9 | 957.0 | 957.1 | 957.2 | 957.3 | 957.5 | 957.7 | 957.9 | 958.0 | 959.3 |
| 165° | 977.0 | 976.8 | 976.5 | 976.4 | 976.2 | 976.1 | 976.1 | 976.1 | 976.1 | 976.1 | 977.4 |
| 167.5° | 993.8 | 993.2 | 992.6 | 992.0 | 991.5 | 991.2 | 991.2 | 991.1 | 991.1 | 991.0 | 992.4 |
| 170° | 1002.7 | 1002.1 | 1001.6 | 1001.0 | 1000.4 | 1000.1 | 999.9 | 999.7 | 999.4 | 999.3 | 1000.7 |
| 172.5° | 1008.9 | 1008.3 | 1007.8 | 1007.2 | 1006.6 | 1006.3 | 1006.1 | 1005.8 | 1005.6 | 1005.5 | 1006.9 |
| 175° | 1016.5 | 1015.9 | 1015.3 | 1014.8 | 1014.2 | 1013.7 | 1013.3 | 1013.0 | 1012.5 | 1012.2 | 1013.5 |
| 177.5° | 1019.6 | 1019.1 | 1018.6 | 1018.2 | 1017.7 | 1017.4 | 1017.0 | 1016.8 | 1016.4 | 1016.2 | 1017.0 |
| 180° | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 |



TEST NUMBER: P331406-935

CATALOG NUMBER: SA2XXDIP-C865D925U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 |
| 2.5° | 785.7 | 786.8 | 787.8 | 788.2 | 787.7 | 787.3 | 786.9 | 786.5 |
| 5° | 783.3 | 784.9 | 786.4 | 787.0 | 786.8 | 786.5 | 786.3 | 786.0 |
| 7.5° | 779.6 | 781.4 | 783.3 | 784.1 | 783.9 | 783.6 | 783.3 | 783.1 |
| 10° | 776.4 | 778.4 | 780.5 | 781.4 | 781.1 | 780.8 | 780.6 | 780.3 |
| 12.5° | 770.9 | 772.9 | 775.0 | 775.8 | 775.6 | 775.3 | 775.1 | 774.8 |
| 15° | 760.9 | 763.2 | 765.5 | 766.5 | 766.2 | 765.9 | 765.7 | 765.5 |
| 17.5° | 748.1 | 750.4 | 752.9 | 754.1 | 754.1 | 754.1 | 754.1 | 754.1 |
| 20° | 738.0 | 740.7 | 743.5 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 |
| 22.5° | 726.9 | 729.8 | 732.5 | 734.2 | 734.5 | 734.9 | 735.4 | 735.8 |
| 25° | 709.9 | 712.9 | 716.0 | 717.9 | 718.6 | 719.4 | 720.1 | 720.9 |
| 27.5° | 691.0 | 694.8 | 698.6 | 700.9 | 701.5 | 702.0 | 702.6 | 703.1 |
| 30° | 677.6 | 681.7 | 685.8 | 688.2 | 688.9 | 689.7 | 690.4 | 691.2 |
| 32.5° | 663.3 | 668.0 | 672.6 | 675.7 | 677.0 | 678.4 | 679.8 | 681.1 |
| 35° | 643.0 | 648.6 | 654.2 | 657.8 | 659.6 | 661.4 | 663.1 | 665.0 |
| 37.5° | 622.0 | 628.2 | 634.4 | 638.4 | 640.3 | 642.2 | 644.1 | 646.0 |
| 40° | 607.3 | 613.9 | 620.5 | 624.9 | 627.2 | 629.5 | 631.8 | 634.1 |
| 42.5° | 593.0 | 600.2 | 607.4 | 612.2 | 614.4 | 616.7 | 619.0 | 621.3 |
| 45° | 571.0 | 578.9 | 586.8 | 591.9 | 594.5 | 597.0 | 599.6 | 602.1 |
| 47.5° | 548.2 | 556.4 | 564.6 | 570.2 | 572.9 | 575.8 | 578.5 | 581.3 |
| 50° | 532.5 | 541.1 | 549.8 | 555.5 | 558.3 | 561.1 | 563.9 | 566.7 |
| 52.5° | 515.6 | 524.4 | 533.2 | 539.2 | 542.2 | 545.2 | 548.1 | 551.1 |
| 55° | 490.2 | 499.3 | 508.4 | 514.6 | 517.9 | 521.2 | 524.5 | 527.8 |
| 57.5° | 463.2 | 473.0 | 482.9 | 489.6 | 492.8 | 496.2 | 499.6 | 502.9 |
| 60° | 445.5 | 455.1 | 464.8 | 471.3 | 474.9 | 478.5 | 482.0 | 485.6 |
| 62.5° | 426.5 | 436.8 | 447.0 | 453.9 | 457.2 | 460.5 | 463.9 | 467.3 |
| 65° | 397.9 | 408.3 | 418.7 | 425.5 | 428.8 | 432.1 | 435.4 | 438.7 |
| 67.5° | 368.8 | 379.3 | 389.9 | 396.8 | 400.3 | 403.7 | 407.2 | 410.6 |
| 70° | 348.6 | 359.5 | 370.4 | 377.4 | 380.5 | 383.5 | 386.6 | 389.6 |
| 72.5° | 329.0 | 339.7 | 350.4 | 357.6 | 361.3 | 364.9 | 368.6 | 372.2 |
| 75° | 299.5 | 310.4 | 321.3 | 328.4 | 331.7 | 335.0 | 338.3 | 341.6 |
| 77.5° | 270.6 | 281.5 | 292.3 | 299.5 | 303.1 | 306.6 | 310.2 | 313.7 |
| 80° | 251.0 | 261.7 | 272.3 | 279.4 | 282.9 | 286.5 | 290.1 | 293.6 |
| 82.5° | 232.7 | 243.3 | 254.0 | 261.1 | 264.4 | 267.7 | 271.0 | 274.4 |
| 85° | 206.4 | 217.1 | 227.7 | 234.9 | 238.4 | 241.9 | 245.5 | 249.1 |
| 87.5° | 190.2 | 200.4 | 210.8 | 217.6 | 220.8 | 224.1 | 227.4 | 230.7 |
| 90° | 200.4 | 210.2 | 220.0 | 226.4 | 229.7 | 233.0 | 236.2 | 239.4 |
| 92.5° | 189.9 | 200.0 | 210.0 | 216.5 | 219.6 | 222.7 | 225.8 | 228.9 |
| 95° | 205.7 | 215.3 | 225.0 | 231.1 | 233.8 | 236.4 | 239.1 | 241.8 |
| 97.5° | 232.8 | 242.2 | 251.6 | 257.8 | 260.7 | 263.7 | 266.7 | 269.6 |
| 100° | 251.6 | 261.0 | 270.4 | 276.4 | 279.0 | 281.6 | 284.2 | 286.8 |
| 102.5° | 273.3 | 282.7 | 292.0 | 298.0 | 300.6 | 303.2 | 305.7 | 308.3 |
| 105° | 305.8 | 315.1 | 324.3 | 330.4 | 333.2 | 336.0 | 338.8 | 341.6 |
| 107.5° | 341.8 | 350.5 | 359.2 | 364.5 | 366.4 | 368.3 | 370.2 | 372.2 |
| 110° | 366.9 | 375.0 | 383.1 | 388.3 | 390.5 | 392.7 | 394.9 | 397.2 |



TEST NUMBER: P331406-935

CATALOG NUMBER: SA2XXDIP-C865D925U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 391.8 | 399.5 | 407.2 | 412.2 | 414.6 | 417.0 | 419.3 | 421.7 |
| 115° | 430.5 | 438.0 | 445.4 | 450.2 | 452.5 | 454.6 | 456.8 | 459.1 |
| 117.5° | 467.5 | 474.6 | 481.6 | 486.2 | 488.2 | 490.2 | 492.2 | 494.2 |
| 120° | 492.4 | 499.5 | 506.6 | 511.3 | 513.5 | 515.7 | 517.9 | 520.1 |
| 122.5° | 518.6 | 525.0 | 531.5 | 535.6 | 537.6 | 539.6 | 541.6 | 543.5 |
| 125° | 556.6 | 562.9 | 569.2 | 573.4 | 575.5 | 577.6 | 579.7 | 581.8 |
| 127.5° | 593.5 | 599.1 | 604.7 | 608.3 | 609.9 | 611.6 | 613.2 | 614.8 |
| 130° | 619.1 | 624.8 | 630.5 | 634.0 | 635.3 | 636.5 | 637.8 | 639.1 |
| 132.5° | 643.9 | 649.0 | 654.0 | 657.3 | 658.7 | 660.1 | 661.5 | 663.0 |
| 135° | 681.1 | 686.1 | 691.3 | 694.6 | 696.0 | 697.5 | 699.0 | 700.4 |
| 137.5° | 716.4 | 721.0 | 725.5 | 728.2 | 729.2 | 730.1 | 731.2 | 732.1 |
| 140° | 740.7 | 744.9 | 748.9 | 751.3 | 752.1 | 752.9 | 753.5 | 754.3 |
| 142.5° | 763.7 | 767.2 | 770.5 | 772.5 | 773.1 | 773.6 | 774.2 | 774.7 |
| 145° | 800.0 | 801.7 | 803.4 | 804.5 | 804.9 | 805.5 | 806.0 | 806.5 |
| 147.5° | 832.5 | 833.1 | 833.7 | 834.0 | 833.9 | 833.7 | 833.6 | 833.5 |
| 150° | 854.4 | 855.0 | 855.5 | 855.5 | 855.0 | 854.4 | 853.8 | 853.3 |
| 152.5° | 876.7 | 877.4 | 878.1 | 878.1 | 877.4 | 876.7 | 876.0 | 875.2 |
| 155° | 905.0 | 905.9 | 906.9 | 907.1 | 906.5 | 905.9 | 905.3 | 904.7 |
| 157.5° | 931.1 | 932.4 | 933.7 | 933.8 | 933.0 | 932.0 | 931.1 | 930.2 |
| 160° | 946.6 | 947.7 | 948.9 | 949.1 | 948.3 | 947.5 | 946.8 | 946.0 |
| 162.5° | 960.6 | 961.9 | 963.2 | 963.5 | 962.5 | 961.6 | 960.7 | 959.8 |
| 165° | 978.8 | 980.1 | 981.5 | 981.6 | 980.7 | 979.7 | 978.8 | 977.8 |
| 167.5° | 993.7 | 995.1 | 996.3 | 996.5 | 995.6 | 994.5 | 993.6 | 992.6 |
| 170° | 1001.9 | 1003.3 | 1004.6 | 1004.7 | 1003.6 | 1002.5 | 1001.3 | 1000.1 |
| 172.5° | 1008.1 | 1009.5 | 1010.8 | 1010.9 | 1009.8 | 1008.7 | 1007.5 | 1006.3 |
| 175° | 1014.9 | 1016.2 | 1017.5 | 1017.6 | 1016.5 | 1015.3 | 1014.2 | 1013.1 |
| 177.5° | 1018.0 | 1018.9 | 1019.8 | 1019.8 | 1018.9 | 1018.0 | 1017.0 | 1016.2 |
| 180° | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 |

(END OF REPORT)